providing a control signal to a base of the second transistor for controlling the generator; and

providing a step-up converter function using the controlled transistor bridge.

27. (Twice Amended) A device for controlling a generator, comprising:

a controlled transistor bridge including:

a plurality of first transistors, each one of the plurality of first transistors being coupled to at least another one of the plurality of first transistors, and

one of a second transistor coupled to at least one of the plurality of first transistors and a freewheeling diode coupled to at least one of the plurality of first transistors, wherein the controlled transistor bridge provides a step-up converter function.

33. (Amended) The method according to claim 13, wherein the transistor includes an insulated gate bipolar transistor.

34. (Amended) The method according to claim 13, wherein the transistor includes a further semiconductor switching device.

35. (Amended) A device for controlling a generator including a controlled transistor bridge having a freewheeling diode, comprising:

a transistor for at least temporarily short-circuiting the controlled transistor bridge, the transistor including an interrupter connected to the controlled transistor bridge,

wherein the transistor has a base which receives a control signal, and

wherein the controlled transistor bridge provides a step-up converter function.

36. (Amended) A method for controlling a generator having a controlled transistor bridge including a freewheeling diode, the method comprising the steps of:

at least temporarily short-circuiting the controlled transistor bridge using a transistor, the transistor including an interrupter coupled to the controlled transistor bridge;

providing a control signal to a base of the transistor for controlling the generator; and

providing a step-up converter function using the controlled transistor bridge.